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NOTICE OF ALLOWANCE AND FEE(S) DUE

6449

7590

04/29/2002

ROTHWELL, FIGG, ERNST & MANBECK, P.C. 1425 K STREET, N.W. SUITE 800 WASHINGTON, DC 20005

EXAMINER

ULM, JOHN D

ART UNIT CLASS-SUBCLASS

435-006000

1646

DATE MAILED: 04/29/2002

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/597,732 06/19/2000 Mark T. Keating 2323-151 6467

TITLE OF INVENTION: KVLQTI-A LONG QT SYNDROME GENE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	07/29/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231

(703)746-4000 <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 04/29/2002

ROTHWELL, FIGG, ERNST & MANBECK, P.C. 1425 K STREET, N.W. SUITE 800 WASHINGTON, DC 20005

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

	and the second s
(Depositor's name)	
(Signature)	
(Date)	
	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/597,732	06/19/2000	Mark T. Keating	2323-151	6467

TITLE OF INVENTION: KVLQT1-A LONG QT SYNDROME GENE

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	07/29/2002
ЕХАМГ	NER	ART UNIT	CLASS-SUBCLASS		
ULM, JC	OHN D	1646	435-006000		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.			2. For printing on the patent from the names of up to 3 registered or agents OR, alternatively, (2 single firm (having as a mem attorney or agent) and the na	patent attorneys) the name of a there a registered	
☐ "Fee Address" indicat PTO/SB/47) attached. U	ion (or "Fee Address" Indica se of a Customer Number	ation form is required.	registered patent attorneys or ag is listed, no name will be printed	gents. If no name	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be	ne printed on the notent)	□ individual	☐ corporation or other private group entity	□ government		
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):	- marviouar	Corporation of other private group chitry	- government		
☐ Issue Fee	A check in the amount of	of the fee(s) is en	closed.			
Q Publication Fee	☐ Payment by credit card. Form PTO-2038 is attached.					
☐ Advance Order - # of Copies	☐ The Commissioner is he Deposit Account Number		by charge the required fee(s), or credit any c (enclose an extra copy of this form).	verpayment, to		
Commissioner for Patents is requested to apply the Issue Fee and Publi	cation Fee (if any) or to re-a	apply any previo	usly paid issue fee to the application identifi	ed above.		
(Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be other than the applicant; a registered attorney or agent; or the as						
This collection of information is required by 37 CFR 1.311. The in obtain or retain a benefit by the public which is to file (and by th application. Confidentiality is governed by 35 U.S.C. 122 and 37 CF estimated to take 12 minutes to complete, including gathering, prep. completed application form to the USPTO. Time will vary dependance that the total control of time you require to consuggestions for reducing this burden, should be sent to the Chief I Patent and Trademark Office, U.S. Department of Commerce, Wasl NOT SEND FEES OR COMPLETED FORMS TO THIS A Commissioner for Patents, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are re-	emark Office. Information is required to e USPTO to process) and R 1.14. This collection is aring, and submitting the ding upon the individual implete this form and/or information Officer, U.S. inigton, D.C. 20231. DO ADDRESS. SEND TO:					
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/597,732	06/19/2000	Mark T. Keating	2323-151	6467	
6449 7590 04/29/2002 ROTHWELL, FIGG, ERNST & MANBECK, P.C. 1425 K STREET, N.W.			EXAMINER		
			ULM, JOHN D		
SUITE 800	IN. W.		ART UNIT	PAPER NUMBER	
WASHINGTON, DC 20005			1646		
			DATE MAILED: 04/29/2002	12	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 99 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 99 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Notice of Allowability

Application No. **09/597,732**

Applicant(s)

Keating et al.

Examiner

John Ulm

Art Unit 1646



--The MAILING DATE of this communication appears on the cover sheet with the correspondence address-

(or pre	ims being allowable, PROSECUTION ON THE MERITS leviously mailed), a Notice of Allowance and Issue Fee INOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE itiative of the Office or upon petition by the applicant.	Due or other appl ENT RIGHTS. Th	ropriate communication wil his application is subject to	l be mailed in due course.			
1. 🛭	. X This communication is responsive to <u>Paper Number 10</u> , filed February 26, 2002						
2. 🛚	The allowed claim(s) is/are 27-30, 36, 37, 61, 62	, and 64-67		·			
3. 🗆	☐ The drawings filed on are acceptable as formal drawings.						
4. 🗆	4. Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).						
a)	☐ All b)☐ Some* c)☐ None of the:						
	1. \square Certified copies of the priority documents ha	ave been receive	ed.				
	2. \square Certified copies of the priority documents ha	ave been receive	ed in Application No	•			
	3. Copies of the certified copies of the priority application from the International Bureau	documents hav (PCT Rule 17.2	e been received in this na (a)).	ational stage			
*Ce	rtified copies not received:			•			
5. 🗆	Acknowledgement is made of a claim for domestic	priority under	35 U.S.C. § 119(e).				
noted	ant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONDABLE.	of this commun ONMENT of this a	ication to file a reply comp application. THIS THREE-M	lying with the requirements ONTH PERIOD IS NOT			
6. 🗆	Note the attached EXAMINER'S AMENDMENT or reason(s) why the oath or declaration is deficient						
7. 🛭	Applicant MUST submit NEW FORMAL DRAWING	S					
(a)	${f f X}$ including changes required by the Notice of Dra	aftsperson's Pat	tent Drawing Review (PT	O-948) attached			
	1) $oxtimes$ hereto or 2) \Box to Paper No						
(b)	including changes required by the proposed dra approved by the examiner.	awing correction	n filed	, which has been			
(c)	including changes required by the attached Example Paper No	aminer's Amend	ment/Comment or in the	Office action of			
lde dra	entifying indicia such as the application number (see awings should be filed as a separate paper with a tr	e 37 CFR 1.84(c ansmittal letter	e)) should be written on the addressed to the Official	ne drawings. The Draftsperson.			
8. 🗆	Note the attached Examiner's comment regarding	REQUIREMENT	FOR THE DEPOSIT OF B	IOLOGICAL MATERIAL.			
NUME	eply to this letter should include, in the upper right BER). If applicant has received a Notice of Allowand OTICE OF ALLOWANCE should also be included.						
Attacl	hment(s)						
	Notice of References Cited (PTO-892)		2 Notice of Informal Par	tent Application (PTO-152)			
	Notice of Draftsperson's Patent Drawing Review (PTO-948)		4 Interview Summary (F	PTO-413), Paper No			
	nformation Disclosure Statement(s) (PTO-1449), Paper No(6 Examiner's Amendme				
	Examiner's Comment Regarding Requirement for Deposit of Material	Biological	8 Examiner's Statement	t of Reasons for Allowance			
9 🗌 (Other						
				/ JOHN ULM			

PRIMARY EXAMINER ART UNIT 1646